BRAKE SQUEAK ROAD BUILDING **USE AUTO OIL** FOR CLEANING EASY TO AVOID **COST LOWERED**

Engineers Have Figures to Insert Two Pieces of Inner Early Bids Show Decline Show That Saving Made Tube Between Lining Throughout Country, by New Method

MORÉ ECONOMICAL.

That costs more money, and arouses to bit of suspicion, when it is known that this advice comes from the oil companies. But their engineers have the figures to prove that, in the long run, the new method is the more economical.

Engines that have any form of spinsh lubrication have oil troughs and pockets in which part of the Rerosene used for flushing is sure to remain. In some cars, say the oil engineers, the kerosene retained in this way represents 15 per cent of the total lubricating capacity of the car.

It is safer therefore to use the first without grabbing and to operate without grabbing.

This may cause a little extra wear and 30 cents a cubic vard in Missosuri. Arkanss and Minnesota, respectively, as compared with an average of 35 the points indicated, but if it makes an otherwise noisy brake quiet, the points indicated, but if it makes an otherwise noisy brake quiet, the points indicated, but if it makes an otherwise noisy brake quiet, the points indicated, but if it makes an otherwise noisy brake quiet, the points indicated, but if it makes an otherwise noisy brake quiet, the points indicated, but if it makes an otherwise noisy brake quiet, and 30 cents a cubic vard and 30 cents a cubic vard in Missosuri. Arkanss and Minnesota, respectively, as compared with an average of 35 the points indicated, but if it makes an otherwise noisy brake quiet, and so cents a cubic vard and 30 cents a cubic vard and 30 cents a cubic vard in Missosuri. Arkanss and Minnesota, respectively, as compared with the seat section in which these states are located in 1921.

"Prices of reinforcing steel in place rate with the squeak or chat the points indicated, but if it the points indicated, but if it the po

THE GREAT AMERICAN HOME

and Band

the total lubricating capacity of the car.

It is safer, therefore, to use the regular kind of engine oil. The crank case should be drained about every 1000 miles in summer, and every 500 miles in winter. Every time the change is made, the case should be flushed with engine oil instead of kerosene.

The oil used for this purpose can be put to other lubricating uses.

Regular cleaning of the crank case means longer life for the engine. The carbon that accumulates there in a season's run is enough to wear down the bearings, pistons and cylinder walls in a short time.

The total lubricating to the squeak in the total to the stop it for squeaking brakes that a garage man has be follows: Ohio, \$1.52; Colorado, \$2.27, and Georgia, \$1.38, as compared with how to stop it. Frequently the customer is impatient, falling to understand that it may be no one thing but a combination that is causing the annoyance. Possibly, under sucr clicumstances, the garage man may be justified in eliminating the squeak in anyway he can.

It is safer, therefore, to use the regular kind of engine oil. The crank has this wits end to know how to stop it. Frequently the customer is impatient, falling to understand that it may be no one thing but a combination that is causing the annoyance. Possibly, under sucr clicumstances, the garage man may be justified in eliminating the squeak in anyway he can.

It is only fair to the car owner, however, to tell him what is being done and why, and to inform him that there is a possibility of greater wearbon that accumulates there in a possibility of greater was follows. Ohio, \$1.52; Colorado, \$2.27, and Georgia, \$1.38, as compared for the construction of concrete roads per square yard are as follows: Ohio, \$1.52; Colorado, \$2.27, and Georgia, \$1.38, as compared to the customer that the customer than an average for the whole country during the period 1916-1920 of \$2.57 a square yard."

The oil used for this purpose can be put to other lubricating uses.

It is only fair to the car owner, however, to tell him

Says Report

Kerosene used to be a good standby on which motorists depended for cleaning their engines.

Now come oil engineers with the declaration that kerosene causes a loss of 18 per cent of the total lubricating capacity of an automobile.

So, instead of using kerosene to flush out the crank case, those who have studied this phase of motoring say the drained case should be cleaned with fresh engine oil.

MORÉ ECONOMICAL.

Squeak or chatter in external brakes may sometimes be eliminated we are informed by a garage man, by insert.

Magnetic many sometimes be eliminated we are informed by a garage man, by insert in the toboggan, according to an anouncement by the department of asciculture. It says.

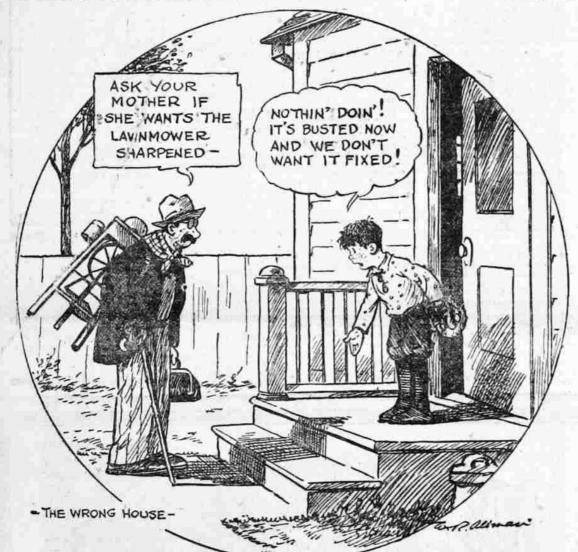
"Early bids for the construction of federal aid roads indicate that prices during the coming season will be materially lower than last season. While bids have not been received on any large volume of work, there is, however, enough to indicate a lower level of prices.

The cost of road construction is on the toboggan, according to an an-involutive. It says.

"Early bids for the construction of federal aid roads indicate that prices during the coming season will be materially lower than last season. While bids have not been received on any large volume of work, there is, however, enough to indicate a lower level of prices.

"Grading has been bid at 20, 23 1-2 and 30 cents a cubic yard in Misosuri,

BY ALLMAN



ADMIRAL SCOTT'S CO.

AUTO SUPPLIES

Everything for the Automobile

Tires, Tubes, Accessories

BIG TIRE REDUCTIONS FIDELITY FABRIC

30x3 Rib\$9.65

This Is a Real Buy

These are guaranteed tires with a reputation. The time to buy is NOW. There may be a raise in price any time.

We Have the Most Complete Line of Auto Accessories in the City

319 Twenty-fourth Street Phone 270

house afire. Made it in high all the way. Passed two cars laboring along in second.

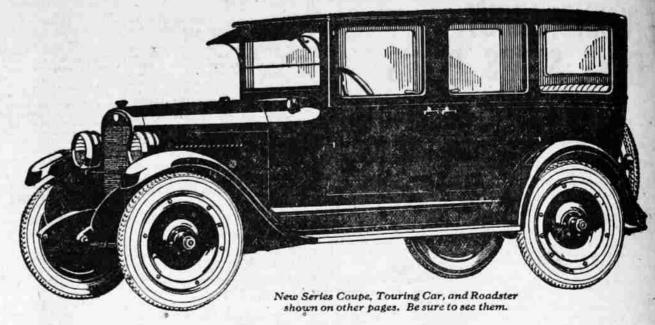
"How often, with variations, do we hear these words from drivers proud of the chievement of their cars from which, presumably, a better performance should be expected? After listening to statements of this kind from hundreds of tourists anxious to tell of their tripe and the remarkable exploits of their cars, one is at last convinced that not one man in a hundred has the proper estimate of the percentage of a grace encountered. No reliance is to be placed on such estimates expressed by any other than one who knows from actual measurement with a grademeter.

"Approaching an ascent the grade naturally appears steeper than it actually is. This, coupled with the performance of the individual car, which may or may not make the grade in high gear, gives rise to an incorrect estimate of the percentage of the entire that the care of the inspection system is perfect and of every sound. There can be no guess work. Their diagnoses are worthless and costly unless accurate.

estimate of the percentage of the "Many motorists do not understand the process by which the designation of a grade percentage i sarrived at, believing that a 20 per cent grade, for instance, is one which rises at an an-gle of 20 degrees from the horizontal.

"The fact is that in that grade there is a perpendicular rise of twenty feet in 199 horizontal feet. In other words, in 100 horizontal feet. In other words, to generalize the numerical percentage of a grade indicates the number of feet perpedicular rise in 100 horizontal feet. In relation to degrees it will be found that a grade percentage properly arrived at in this way forms an angle equal to about one-half as steep as half of the angle formed when the numerical expression is taken to mean gle from the horizontal

When a Ford owner tries to adjust the transmission bands of his machine he has to be extremely careful that the wrench will not slip from his hand and drop out of reach. A simple way to be assured against such event is to tie a string to the wrench and pass it around the wrist. If the wrench slips, it can be pulled out.



First Showing

of the First Sedan Designed and Produced Entirely by the New Maxwell Organization



A car which reveals, at a glance, such a wealth of beauty and goodness that the price seems almost unbelievable.

Cord tires, non-skid front and rear; 31 x 4 inch. Disc wheels demountable at hub and rim, or wood artillery wheels, optional without extra cost. Unusually long springs promote comfort, tire economy, roadability.

Alemite lubrication. Drum type head lamps and cowl lamps, nickel trimmed. Non-glare lenses.

Broadcloth upholstery; Turkish cushions.

Adult-size seats, deep and wide and roomy.

New type windshield, hinged at top and bottom. Windshield visor. Windshield wiper. Rear-vision

Bodies lower and larger, without sacrificing head room. Wool carpet on floor.

New steering comfort. Clutch and brake action, steering and gear-shifting, made remarkably

Handsome and accessible instrument board. Best switches. Motor driven electric horn.

WEBER-TAYLOR MOTOR CO.

2540 Washington Ave.

MAXWELL

GEAR SHIFTING OIL SELECTION LEVER IS PHONE NEEDS CAUTION

Tells Inner Workings of Car Three Conditions to Get and Just Where Trouble Located

Picture an immense room in a small parced periodinance and increased op- a tite resembles the unitan sold. The corner of the space occupied by the erating costs.

Maxwell Motor corporation in its Detroit factory. There are long lanes of wooden stands on which are mounted several hundred gasoline motors, each several hundred gasoline motors, each Boasts Frequently Made
Says Expert, Without
Real Knowledge

"I guess it is a universal trait of motorists to boast about the hill-climbing ability of their cars." says B. E. Mead, of the J. I. Case Threshing Machine company, manufacturers of Case cars. "If you question them concerning some recent achievement, they are almost sure to come back with a reply like this:

"How steep is the grade on that road." Well, I should say that it is all of 20 or 35 per cent. But I didn't have any trouble in making it with my car. No, sir. She pulled it like a house afire. Made it in high all the way. Passed two cars laboring alons in second.

"How often, with variations, do we hear these words from drivers proud of the chievement of their cars from the content of the chievement of their cars from the content of the chievement of their cars from the content of the chievement of their cars from the content of the chievement of their cars from the content of the chievement of their cars from the content of the chievement of their cars from the content of the chievement of their cars from the content of the chievement of their cars from the content of the chievement of their cars from the content of the chievement of their cars from the content of the chievement of their cars from the content of the chievement of their cars from the content of the chievement of the chievement

complete. Naturally the "telephone" men in the block room are placed there only after years of training. They must know the precise meaning of every sound. There can be no guess work. Their diagnoses are worthless and costly unless accurate.

SAFE AGAINST SLIPS

any particular engine is a matter for a competent engineer. It involves four basic lubrication factors affected by engine design.

One is engine operating temperature. This depends primarily on the steady, uninterrupted work of the steady, uninterrupted work of the tractor engine determines high temperature.

"With the number of automobiles."

Same time there is no mass.

Three Conditions to Get

Correct Lubrication Is

Told by Expert

The correct iubrication of any motor vehicle, according to an expert with the tire user."

It, perhaps to lose it, while same time there is no many saved in buying cheap off is trucks and motorcycles reaching the which have nothing to many according to any services are at work looking to keep this cost at a minimum, the whole thing ultimately rests tor vehicle, according to an expert with the tire user."

In those words are summed to a lit, perhaps to lose it, while same time there is no many saved in buying cheap off to which have nothing to me.

The correct iubrication of any molooking to keep this cost at a minimum, the whole thing ultimately rests tor vehicle, according to an expert with the tire user."

In those words are summed to a

If you would learn the language of the automobile, let your motor talk to you by means of its own private telephone exchange.

It can be done Every car is requipped with an instrument as old as automobiles and as much needed as gasoline.

The use of lubricating oil of the highest quality.

The pear shifting lever is the telephone on your car. You have probably never used it for any other purpose than changing speeds. But according to automobile men this unassuming metal rod serves a much different and equally necessary role in the testing room of the Maxwell plants.

Picture an immense room in a small corner of the space occupied by the Maxwell Motor corporation in its De
The correct lubrication of any motor talk dooking to keep this cost at a minimum, the whole thing ultimately rosts tor vehicle, according to an expert to the vehicle, according to an expert with the tire user.

In those words are summed up a paragraph in a recent letter sent to his agents by "Barney" Oldfield, mashing the paragraph in a recent letter sent to his agents by "Barney" Oldfield, mashing the paragraph in a recent letter sent to his agents by "Barney" Oldfield, mashing the paragraph in a recent letter sent to operator. They are:

The use of lubrication of any motor the spaces of the correct grade of that distinct the tire buyer not only selects the right type of tire and the right type of the space service and increased operating contains the right type of tire and the right type of tire and the right type of the understands how vital it is to give the tire proper care.

"A tire is much more than simply a rubber casing with a tobe inside into a care the right type of the understands how vital it is to give the tire proper care.

"A tire is much more than at word town

Phaeton - - - - \$1695 7-Pass. Phaeton - - 1745 Coach - - - - - 1795 Cabriolet - - - - 2295



Tour. Limousine - - 2920 Limousine - - - 3495 F. O. B. Detroit

On the Famous Super-Six Chassi

The substantial things that give leadership in the automobile field do not change.

Hudson's long leaderhip of fine car sales has always stood squarely on the question of value-a maturely developed car costing less than any car of like quality in the world.

Only a supreme advantage that others cannot use could account for such allround dominance. Hudson has it in the Super-Six-motor. It minimizes

vibration and wear more than any type we know. It also increases power by 72% and efficiency by 86% over conventional motors of this size.

This extra ability in speed and power means driving at half load in ordinary motoring. It means absence of strain, thus much less mechanical deteriors tion. It means a wide range of flexibility and easy mastery of road and hill

You, too, will surely find the appeal that has made it the largest selling fine car for more than six years

OGDEN MOTOR CAR CO.

2345-55 Hudson Avenue

Ogden, Utah

Phone 460